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(54) Title: **MOLECULES FOR MODULATING ACTIVITY OF TOLL-LIKE RECEPTORS AND METHODS OF USING THE SAME**

(57) Abstract: Toll-like receptor-binding molecules (including peptides and peptidomimetics) are described. Also described are compositions that contain such TLR-binding molecules and methods of using such molecules to modulate immune responses, for example, to treat or prevent certain immune-mediated diseases.